
WOLFE COUNTY

(Wolfe County Water Service Area Map)

- Estimated 1999 population of 7,500--33% on public water
- Estimated 2020 population of 8,750--52% on public water
- 60 miles of water lines, with plans for 95 additional miles
- Estimated funding needs for public water 2000-2005--\$0
- Estimated funding needs for public water 2006-2020--\$19,500,000

County had an estimated population of 7,503 (2,960 households) in 1999 with a projected population of 8,750 (3,650 households) in 2020. Public water is provided to about 1/3 of the county's residents. In areas of the county not served by public water, about 90 percent of the households rely on private domestic wells and 10 percent rely on other sources. About 700 customers will be added to public water service through new line extensions in 2000-2020.

When a currently proposed project is complete, both the source and plant capacity will be inadequate to serve all of the remaining population. A plant upgrade could solve the problem under normal conditions, but under drought conditions the water source would likely be inadequate. Other potential sources of water include water or service provided from Lee County, or possibly from a plant located on Cave Run Lake.

Estimated Costs - Proposed Projects, 2000-2005

COUNTY/System		New Customers		Rehab	Source	Treatment	Tanks/ Pumps	Total
	Miles	Number	Cost in \$1000	In \$1000	in \$1000	in \$1000	in \$1000	in \$1000
WOLFE	No	short range	projects due	to	source	limitations		-

Estimated Costs - Proposed Projects, 2006-2020

COUNTY/System		New Customers		Rehab	Source	Treatment	Tanks/ Pumps	Total
	Miles	Number	Cost in \$1000	in \$1000	in \$1000	in \$1000	in \$1000	in \$1000
WOLFE								-
Campton	95.0	700	5,000		8,000	5,000	1,500	19,500
Total	95.0	700	5,000		8,000	5,000	1,500	19,500

PUBLIC WATER SYSTEMS

Wolfe County is served by 3 public and semi-public water systems: 1 municipal system, the Campton Water Plant; 1 private community system; and 1 non-community system.

WATER SERVICE AREAS

WOLFE COUNTY

Kentucky

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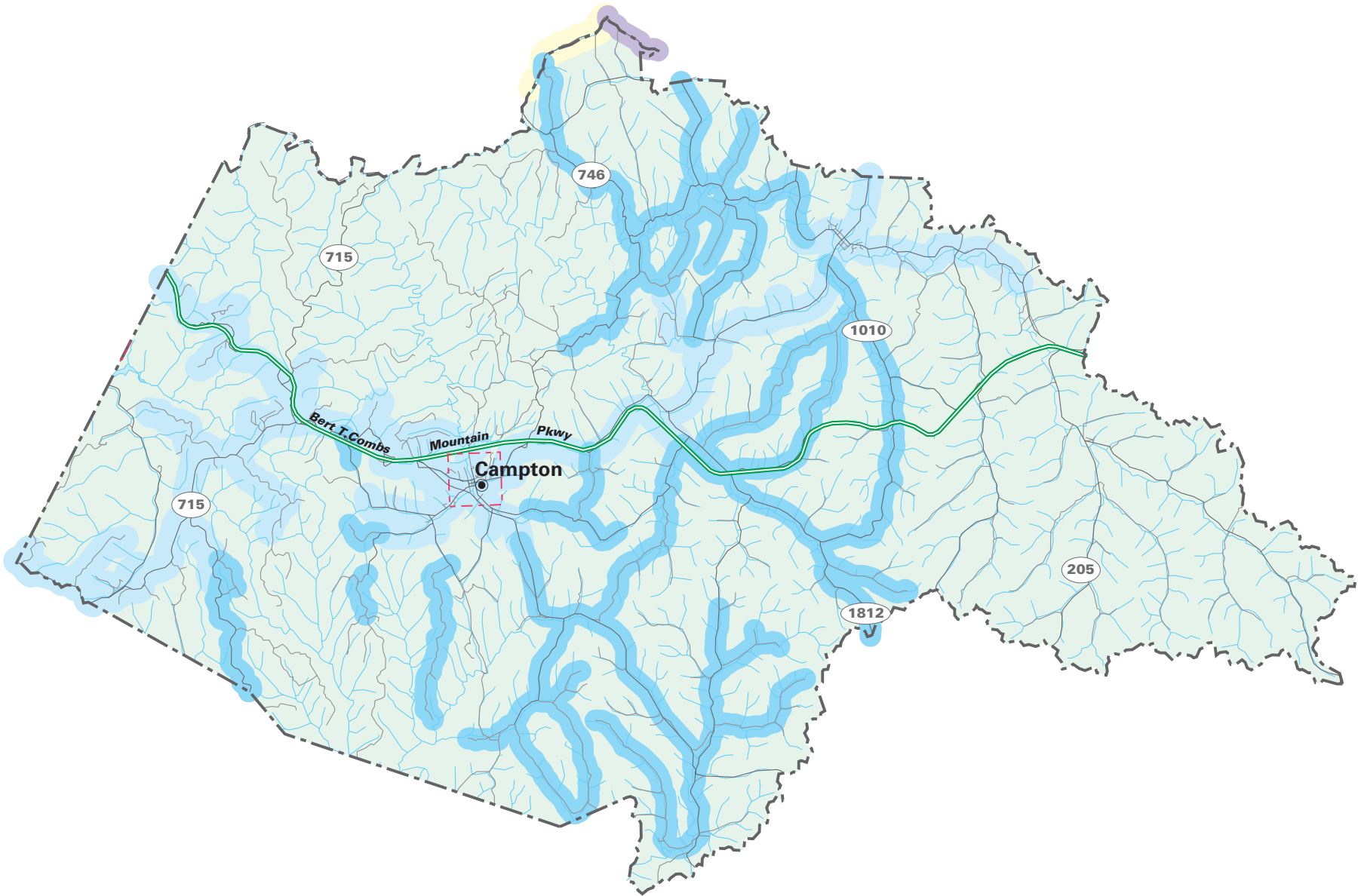
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WATER SERVICE STATUS BY OWNER

EXISTING SERVICE AREA	PROPOSED SERVICE AREA	
		MORGAN COUNTY WATER DISTRICT
		FRENCHBURG WATER COMPANY
		CAMPTON WATER PLANT
		BEATTYVILLE WATER WORKS

CAMPTON MUNICIPAL WATER

PWSID: 1190061
System Type:..... COMMUNITY
Owner Type:..... MUNICIPAL
Surface Source:.....CAMPTON LAKE
Purchase Source:
Well Source:
Sells Water to:
Treatment Plant Capacity (MGD):..... 0.43
Percent Daily Average Production:..... 78.00
Total Tank Storage Capacity (gallons):..... 300,000.00
Total Service Connections: 983.00
Number of Employees:..... 5.00
Treatment Operator Class:2D
Distribution Operator Class:.....2A
Customer Rate for 1,000 Gallons:..... 8.50
O/M costs 1997:..... Not available
O/M costs per Service Connection: Not available
Net Revenue 1997:..... Not available
Total Water Produced 1997 (gallons):..... Not available
Water Sold 1997 (gallons):..... Not available
Unaccounted-for Water 1997 (%): Not available

The Campton Water Plant has 983 service connections. It has a treatment capacity of 430,000 gpd, and is expected to be at just about its peak when the current line extensions are completed. The water source is surface water from Campton Lake. The system currently has about a 25% loss rate, so some infrastructure repair or upgrades may allow more line extensions before a capacity increase or finding an additional source of water. Current storage capacity is 300,000 gallons and rates are \$17.00 for the first 2,000 gallons. They employ 5 people.

OTHER SYSTEMS

CAMPTON DOUBLE KWIK

Campton Double Kwik is located in Wolfe County. The system serves a population of 25 and has 1 service connection. The private, transient, non-community system has treatment capacity of 1,875 gallons per day and the water source is wells.

BETHANY CHRISTIAN MISSION CENTER

Bethany Christian Mission Center is located in Wolfe County. The system serves a population of 65 and has 1 service connection. The private, community system has treatment capacity of 8,000 gallons per day and the water source is wells.

PRIVATE DOMESTIC SYSTEMS

About 4,900 people in Wolfe County rely on private domestic water supplies: 4,400 on wells, and 500 on other sources.

Most wells in valley bottoms are adequate for domestic supply. Yields to wells become progressively less on hillsides and ridges. Deep wells penetrating over 500 feet of sandstone may yield enough water for small municipal or industrial supplies.

Water from drilled wells range from moderately to extremely hard and contains noticeable amounts of iron. In valley bottoms salty water may be encountered at depths of 100 feet.

A few springs supply sufficient quantities of water for domestic use. Most springs have large seasonal variations in flow commonly issue from the base of sandstone and limestone formations in valley bottoms.
